SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.
TANG, Y. Tom
LAL, Preeti
CORLEY, Neil C.
GUEGLER, Karl J.
PATTERSON, Chandra
BAUGHN, Mariah R.
YUE, Henry

<120> HUMAN EPIDERMAL PROTEINS

<130> PF-0567 PCT

<140> To Be Assigned
<141> Herewith

<150> 09/123,531; unassigned; 09/206,817; unassigned
<151> 1998-07-28; 1998-07-28; 1998-12-07; 1998-12-07

<160> 16

<170> PERL Program

<210> 1
<211> 92
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 2024646

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			20					25						30	
Pro	Pro	Ala	Ser	Ser	Gly	Cys	Ala	Pro	Ser	Ser	Gly	Val	Cys	Gly	
			35					40						45	
Pro	Ser	Ser	Glu	Gly	Gly	Cys	Phe	Leu	Asn	His	His	Arg	Arg	His	
			50					55						60	
His	Arg	Cys	Arg	Arg	Gln	Arg	Pro	Asn	Ser	Cys	Asp	Arg	Gly	Ser	
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Gly	Gln	Gln	Gly	Gly	Gly	Ser	Gly	Cys	Cys	His	Gly	Ser	Gly	Gly	
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Cys	Cys														

<210> 2
<211> 118

<212> PRT
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<220>
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<400> 2

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Pro Lys Cys Pro Pro Lys Cys Pro Pro Val Ser Ser Cys Cys Ser
             35                  40                  45
Val Ser Ser Gly Gly Cys Cys Gly Ser Ser Ser Gly Gly Ser Cys
             50                  55                  60
Gly Ser Ser Ser Gly Gly Cys Cys Ser Ser Gly Gly Gly Gly Cys
             65                  70                  75
Cys Leu Ser His His Arg Arg Arg Arg Ser His Cys His Arg Pro
             80                  85                  90
Gln Ser Ser Gly Cys Cys Ser Gln Pro Ser Gly Gly Ser Ser Cys
             95                 100                 105
Cys Gly Gly Gly Ser Gly Gln His Ser Gly Gly Cys Cys
            110                 115
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<210> 3
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1798487

<400> 3

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Cys Pro Pro Lys Cys Thr Pro Lys Cys Pro Pro Lys Cys Pro Pro
             20                  25                  30
Lys Cys Pro Pro Gln Cys Pro Ala Pro Cys Phe Pro Ala Val Ser
             35                  40                  45
Ser Cys Cys Gly Pro Ser Ser Gly Ser Cys Cys Gly Pro Ser Ser
             50                  55                  60
Gly Gly Cys Cys Ser Ser Gly Ala Gly Gly Cys Ser Leu Ser His
             65                  70                  75
His Arg Pro Arg Leu Phe His Arg Arg Arg His Gln Ser Pro Asp
             80                  85                  90
Cys Cys Glu Ser Glu Pro Ser Gly Gly Ser Gly Cys Cys His Ser
             95                 100                 105
Ser Gly Gly Cys Cys
            110
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<210> 4
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1448744

<400> 4
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Cys Arg Pro Val Thr Cys Gln Thr Thr Val Cys Arg Pro Val Thr
35 40 45
Cys Val Pro Arg Cys Thr Arg Pro Ile Cys Glu Pro Cys Cys Arg
50 55 60
Pro Val Cys Cys Asp Pro Cys Ser Leu Gln Glu Gly Cys Cys Arg
65 70 75
Pro Ile Thr Cys Cys Pro Ser Ser Cys Thr Ala Val Val Cys Arg
80 85 90
Pro Cys Cys Trp Ala Thr Thr Cys Cys Gln Pro Val Ser Val Gln
95 100 105
Ser Pro Cys Cys Arg Pro Pro Cys Gly Gln Pro Thr Pro Cys Ser
110 115 120
Thr Thr Cys Arg Thr Ser Ser Cys
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<210> 5
<211> 342
<212> PRT
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 2737275

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20 25 30
Gly Pro Asp Lys Ile Ile Pro Ala His Val Ile Ala Lys Ala Lys
35 40 45
Gly Leu Ala Ile Leu Ser Val Ile Lys Ala Gly Phe Leu Val Thr
50 55 60
Ala Arg Gly Gly Ser Gly Ile Val Val Ala Arg Leu Pro Asp Gly
65 70 75
Lys Trp Ser Ala Pro Ser Ala Ile Gly Ile Ala Gly Leu Gly Gly

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                80                  85                  90
Gly Phe Glu Ile Gly Ile Glu Val Ser Asp Leu Val Ile Ile Leu
                95                 100                 105
Asn Tyr Asp Arg Ala Val Glu Ala Phe Ala Lys Gly Gly Asn Leu
               110                 115                 120
Thr Leu Gly Gly Asn Leu Thr Val Ala Val Gly Pro Leu Gly Arg
               125                 130                 135
Asn Leu Glu Gly Asn Val Ala Leu Arg Ser Ser Ala Ala Val Phe
               140                 145                 150
Thr Tyr Cys Lys Ser Arg Gly Leu Phe Ala Gly Val Ser Leu Glu
               155                 160                 165
Gly Ser Cys Leu Ile Glu Arg Lys Glu Thr Asn Arg Lys Phe Tyr
               170                 175                 180
Cys Gln Asp Ile Arg Ala Tyr Asp Ile Leu Phe Gly Asp Thr Pro
               185                 190                 195
Arg Pro Ala Gln Ala Glu Asp Leu Tyr Glu Ile Leu Asp Ser Phe
               200                 205                 210
Thr Glu Lys Tyr Glu Asn Glu Gly Gln Arg Ile Asn Ala Arg Lys
               215                 220                 225
Ala Ala Arg Glu Gln Arg Lys Ser Ser Ala Lys Glu Leu Pro Pro
               230                 235                 240
Lys Pro Leu Ser Arg Pro Gln Gln Ser Ser Ala Pro Val Gln Leu
               245                 250                 255
Asn Ser Gly Ser Gln Ser Asn Arg Asn Glu Tyr Lys Leu Tyr Pro
               260                 265                 270
Gly Leu Ser Ser Tyr His Glu Arg Val Gly Asn Leu Asn Gln Pro
               275                 280                 285
Ile Glu Val Thr Ala Leu Tyr Ser Phe Glu Gly Gln Gln Pro Gly
               290                 295                 300
Asp Leu Asn Phe Gln Ala Gly Asp Arg Ile Thr Val Ile Ser Lys
               305                 310                 315
Thr Asp Ser His Phe Asp Trp Trp Glu Gly Lys Leu Arg Gly Gln
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Thr Gly Ile Phe Pro Ala Asn Tyr Val Thr Met Asn
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<210> 6
<211> 529
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3325323

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Gly Met Leu Ala Leu Leu Leu Ala Gly Leu Leu Leu Pro Gly Thr
               20                  25                  30
Leu Ala Lys Ser Ile Gly Thr Phe Ser Asp Pro Cys Lys Asp Pro
               35                  40                  45
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Thr Arg Ile Thr Ser Pro Asn Asp Pro Cys Leu Thr Gly Lys Gly
                50                  55                  60
Asp Ser Ser Gly Phe Ser Ser Tyr Ser Gly Ser Ser Ser Ser Gly
                65                  70                  75
Ser Ser Ile Ser Ser Ala Arg Ser Ser Gly Gly Gly Ser Ser Gly
                80                  85                  90
Ser Ser Ser Gly Ser Ser Ile Ala Gln Gly Gly Ser Ala Gly Ser
                95                 100                 105
Phe Lys Pro Gly Thr Gly Tyr Ser Gln Val Ser Tyr Ser Ser Gly
               110                 115                 120
Ser Gly Ser Ser Leu Gln Gly Ala Ser Gly Ser Ser Gln Leu Gly
               125                 130                 135
Ser Ser Ser Ser His Ser Gly Ser Ser Gly Ser His Ser Gly Ser
               140                 145                 150
Ser Ser Ser His Ser Ser Ser Ser Ser Ser Phe Gln Phe Ser Ser
               155                 160                 165
Ser Ser Phe Gln Val Gly Asn Gly Ser Ala Leu Pro Thr Asn Asp
               170                 175                 180
Asn Ser Tyr Arg Gly Ile Leu Asn Pro Ser Gln Pro Gly Gln Ser
               185                 190                 195
Ser Ser Ser Ser Gln Thr Phe Gly Val Ser Ser Ser Gly Gln Ser
               200                 205                 210
Val Ser Ser Asn Gln Arg Pro Cys Ser Ser Asp Ile Pro Asp Ser
               215                 220                 225
Pro Cys Ser Gly Gly Pro Ile Val Ser His Ser Gly Pro Tyr Ile
               230                 235                 240
Pro Ser Ser His Ser Val Ser Gly Gly Gln Arg Pro Val Val Val
               245                 250                 255
Val Val Asp Gln His Gly Ser Gly Ala Pro Gly Val Val Gln Gly
               260                 265                 270
Pro Pro Cys Ser Asn Gly Gly Leu Pro Gly Lys Pro Cys Pro Pro
               275                 280                 285
Ile Thr Ser Val Asp Lys Ser Tyr Gly Gly Tyr Glu Val Val Gly
               290                 295                 300
Gly Ser Ser Asp Ser Tyr Leu Val Pro Gly Met Thr Tyr Ser Lys
               305                 310                 315
Gly Lys Ile Tyr Pro Val Gly Tyr Phe Thr Lys Glu Asn Pro Val
               320                 325                 330
Lys Gly Ser Pro Gly Val Pro Ser Phe Ala Ala Gly Pro Pro Ile
               335                 340                 345
Ser Glu Gly Lys Tyr Phe Ser Ser Asn Pro Ile Ile Pro Ser Gln
               350                 355                 360
Ser Ala Ala Ser Ser Ala Ile Ala Phe Gln Pro Val Gly Thr Gly
               365                 370                 375
Gly Val Gln Leu Cys Gly Gly Gly Ser Thr Gly Ser Lys Gly Pro
               380                 385                 390
Cys Ser Pro Ser Ser Ser Arg Val Pro Ser Ser Ser Ser Ile Ser
               395                 400                 405
Ser Ser Ser Gly Leu Pro Tyr His Pro Cys Gly Ser Ala Ser Gln
               410                 415                 420
Ser Pro Cys Ser Pro Pro Gly Thr Gly Ser Phe Ser Ser Ser Ser
               425                 430                 435
Ser Ser Gln Ser Ser Gly Lys Ile Ile Leu Gln Pro Cys Gly Ser
               440                 445                 450
Lys Ser Ser Ser Ser Gly His Pro Cys Met Ser Val Ser Ser Leu
```

```
                455                 460                 465
Thr Leu Thr Gly Gly Pro Asp Gly Ser Pro His Pro Asp Pro Ser
                470                 475                 480
Ala Gly Ala Lys Pro Cys Gly Ser Ser Ser Ala Gly Lys Ile Pro
                485                 490                 495
Cys Arg Ser Ile Arg Asp Ile Leu Ala Gln Val Lys Pro Leu Gly
                500                 505                 510
Pro Gln Leu Ala Asp Pro Glu Val Phe Leu Pro Gln Gly Glu Leu
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Leu Asp Ser Pro
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<210> 7
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2024646

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cccaaagagc ccagtacagt gtctgcctcc agcttcctct ggctgtgccc caagctctgg 180
ggtctgtggc cctagctccg agggcggctg cttcctgaac caccacaggc gccaccaccg 240
atgccggcgc cagaggccca actcctgtga caggggcagt ggtcagcaag gcgggggctc 300
tggctgctgc cacggttctg ggggctgctg ctgatccaga tcctgatgct gagacaagcg 360
atctttggag gaaacaagaa tcccaagagg ccaagaacag ccccatctga cgcatgcctt 420
cccatatacc ctcttctgac tttcacaggc tgagctggag gttttcctgt gggggatctg 480
agctctcccc agaaggcact tcttgtttta tgtacaggat gtcatatgtc cccctacccc 540
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tgc 603

<210> 8
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3431776

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tcccaagtgc cccaccccaa agtgtccccc aaagtgtccc cctaagtgcc ctcctgtctc 180
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gggctccagc tgctgtggcg gggggagtgg ccagcactct ggaggctgct gctgaagtgg 420
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ctactaggcc tgcctgagag gctcacaggt ccaagggaaa gctctgaact tgccaagagc 540
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tggacctcac ctttgtggct accctcccac gctctgtcta agcccctagc ttactcaatg 660
tcatttgcag cgtgcatctg ctgattaacc gacgcaa 697

<210> 9
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1798487

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tcattggttg gcagagacca caaagactca tggggctttc ctggaagaac ttcgtgcttg 480
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<210> 10
<211> 493
<212> DNA
<213> Homo sapiens

<220>
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<223> Incyte Clone No: 1448744

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gctgctgccg ccccgtgacc tgccagacca ccgtgtgccg ccccgtgacc tgcgtgcccc 180
gctgcacgcg ccccatctgc gagccctgct gccgcccggt gtgctgcgac ccctgctccc 240
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gcaggccctg ctgctgggcc accacctgct gccagcctgt gtctgtgcag tccccctgct 360
gccggcctcc ctgcggccag ccgacccctt gcagcaccac ctgcaggacc tcctcctgct 420
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<210> 11
<211> 1332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte Clone No: 2737275

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tgccaaaata ttaagagaat tcacagaaat aacttccaga aatggacctg ataagatcat 180
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<210> 12
<211> 2284
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3325323

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<210> 13
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> GenBank ID No: g2589188

<400> 13
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Cys Pro Pro Lys Cys Thr Pro Lys Cys Pro Pro Lys Cys Pro Pro
20 25 30
Lys Cys Leu Pro Gln Cys Pro Ala Pro Cys Ser Pro Ala Val Ser
35 40 45
Ser Cys Cys Gly Pro Ile Ser Gly Gly Cys Cys Gly Pro Ser Ser
50 55 60
Gly Gly Cys Cys Asn Ser Gly Ala Gly Gly Cys Cys Leu Ser His
65 70 75
His Arg Pro Arg Leu Phe His Arg Arg Arg His Gln Ser Pro Asp
80 85 90
Cys Cys Glu Ser Glu Pro Ser Gly Gly Ser Gly Cys Cys His Ser
95 100 105
Ser Gly Gly Cys Cys
110

<210> 14

<211> 131
<212> PRT
<213> Ovis aries

<220>
<221> misc_feature
<223> GenBank ID No: g71384

<400> 14
Thr Gly Ser Cys Cys Gly Pro Thr Phe Ser Ser Leu Ser Cys Gly
1 5 10 15
Gly Gly Cys Leu Gln Pro Arg Tyr Tyr Arg Asp Pro Cys Cys Cys
20 25 30
Arg Pro Val Ser Cys Gln Thr Val Ser Arg Pro Val Thr Phe Val
35 40 45
Pro Arg Cys Thr Arg Pro Ile Cys Glu Pro Cys Arg Arg Pro Val
50 55 60
Cys Cys Asp Pro Cys Ser Leu Gln Glu Gly Cys Cys Arg Pro Ile
65 70 75
Thr Cys Cys Pro Thr Ser Cys Gln Ala Val Val Cys Arg Pro Cys
80 85 90
Cys Trp Ala Thr Thr Cys Cys Gln Pro Val Ser Val Gln Cys Pro
95 100 105
Cys Cys Arg Pro Thr Ser Cys Gln Pro Ala Pro Cys Ser Arg Thr
110 115 120
Thr Cys Arg Thr Phe Arg Thr Ser Pro Cys Cys
125 130

<210> 15
<211> 340
<212> PRT
<213> Mus musculus

<220>
<221> misc_feature
<223> GenBank ID No: g1944389

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20 25 30
Gly Pro Asp Lys Ile Ile Pro Ala His Val Ile Ala Lys Ala Lys
35 40 45
Gly Leu Ala Val Leu Ser Val Ile Lys Ala Gly Phe Leu Val Thr
50 55 60
Ala Arg Gly Gly Ser Gly Ile Val Leu Ala Arg Leu Pro Asp Gly
65 70 75
Lys Trp Ser Ala Pro Ser Ala Ile Gly Ile Ala Gly Leu Gly Gly
80 85 90
Gly Phe Glu Ile Gly Ile Glu Val Ser Asp Leu Val Ile Ile Leu
95 100 105

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Asn Tyr Asp Arg Ala Val Glu Ala Phe Ala Lys Gly Gly Asn Leu
                110                 115                 120
Thr Leu Gly Gly Asn Phe Thr Val Ala Val Gly Pro Leu Gly Arg
                125                 130                 135
Asn Leu Glu Gly Asn Val Ser Leu Arg Ser Ser Ala Ala Val Phe
                140                 145                 150
Thr Tyr Cys Lys Ser Arg Gly Leu Phe Ala Gly Ile Ser Leu Glu
                155                 160                 165
Gly Ser Cys Leu Ile Glu Arg Lys Glu Thr Asn Arg Lys Phe Tyr
                170                 175                 180
Cys Gln Asp Ile Arg Ala Tyr Asp Ile Leu Phe Gly Asp Val Pro
                185                 190                 195
Gln Pro Ala Gln Ala Glu Asp Leu Tyr Glu Ile Leu Asn Ser Phe
                200                 205                 210
Thr Glu Lys Tyr Glu Thr Glu Gly Gln Arg Ile Asn Leu Lys Lys
                215                 220                 225
Val Ala Arg Glu Gln Arg Lys Ala Lys Glu Leu Pro Pro Lys Pro
                230                 235                 240
Ser Ser Arg Pro Gln Pro Ala His Pro Pro Val Gln Leu Asn Ala
                245                 250                 255
Gly Ser Gln Gly Asn Arg Asn Glu Tyr Lys Leu Tyr Pro Glu Leu
                260                 265                 270
Ser Ser Tyr His Glu Lys Thr Gly Asn Leu Asn Gln Pro Ile Glu
                275                 280                 285
Val Thr Ala Leu Tyr Ser Phe Glu Gly Gln Gln Pro Gly Asp Leu
                290                 295                 300
Asn Phe Gln Ala Gly Asp Arg Ile Ile Val Ile Ser Lys Thr Asp
                305                 310                 315
Ser Asn Phe Asp Trp Trp Glu Gly Lys Leu Arg Gly Gln Thr Gly
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Ile Phe Pro Ala Asn Tyr Val Thr Met Asn
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Ala Lys Ser Ile Gly Thr Phe Ser Asp Pro Cys Lys Asp Pro Thr
                 20                  25                  30
Arg Ile Thr Ser Pro Asn Asp Pro Cys Leu Thr Gly Lys Gly Asp
                 35                  40                  45
Ser Ser Gly Phe Ser Ser Tyr Ser Gly Ser Ser Ser Ser Gly Ser
                 50                  55                  60
Ser Ile Ser Ser Ala Arg Ser Ser Gly Gly Gly Ser Ser Gly Ser
                 65                  70                  75
Ser Ser Gly Ser Ser Ile Ala Gln Gly Gly Ser Ala Gly Ser Phe
                 80                  85                  90
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Lys Pro Gly Thr Gly Tyr Ser Gln Val Ser Tyr Ser Ser Gly Ser
95 100 105
Gly Ser Ser Leu Gln Gly Ala Ser Gly Ser Ser Gln Leu Gly Ser
110 115 120
Ser Ser Ser His Ser Gly Ser Ser Gly Ser His Ser Gly Ser Ser
125 130 135
Ser Ser His Ser Ser Ser Ser Ser Ser Phe Gln Phe Ser Ser Ser
140 145 150
Ser Phe Gln Val Gly Asn Gly Ser Ala Leu Pro Thr Asn Asp Asn
155 160 165
Ser Tyr Arg Gly Ile Leu Asn Pro Ser Gln Pro Gly Gln Ser Ser
170 175 180
Ser Ser Ser Gln Thr Ser Gly Val Ser Ser Ser Gly Gln Ser Val
185 190 195
Ser Ser Asn Gln Arg Pro Cys Ser Ser Asp Ile Pro Asp Ser Pro
200 205 210
Cys Ser Gly Gly Pro Ile Val Ser His Ser Gly Pro Tyr Ile Pro
215 220 225
Ser Ser His Ser Val Ser Gly Gly Gln Arg Pro Val Val Val Val
230 235 240
Val Asp Gln His Gly Ser Gly Ala Pro Gly Val Val Gln Gly Pro
245 250 255
Pro Cys Ser Asn Gly Gly Leu Pro Gly Lys Pro Cys Pro Pro Ile
260 265 270
Thr Ser Val Asp Lys Ser Tyr Gly Gly Tyr Glu Val Val Gly Gly
275 280 285
Ser Ser Asp Ser Tyr Leu Val Pro Gly Met Thr Tyr Ser Lys Gly
290 295 300
Lys Ile Tyr Pro Val Gly Tyr Phe Thr Lys Glu Asn Pro Val Lys
305 310 315
Gly Ser Pro Gly Val Pro Ser Phe Ala Ala Gly Pro Pro Ile Ser
320 325 330
Glu Gly Lys Tyr Phe Ser Ser Asn Pro Ile Ile Pro Ser Gln Ser
335 340 345
Ala Ala Ser Ser Ala Ile Ala Phe Gln Pro Val Gly Thr Gly Gly
350 355 360
Val Gln Leu Cys Gly Gly Gly Ser Thr Gly Ser Lys Gly Pro Cys
365 370 375
Ser Pro Ser Ser Ser Arg Val Pro Ser Ser Ser Ser Ile Ser Ser
380 385 390
Ser Ser Gly Ser Pro Tyr His Pro Cys Gly Ser Ala Ser Gln Ser
395 400 405
Pro Cys Ser Pro Pro Gly Thr Gly Ser Phe Ser Ser Ser Ser Ser
410 415 420
Ser Gln Ser Ser Gly Lys Ile Ile Leu Gln Pro Cys Gly Ser Lys
425 430 435
Ser Ser Ser Ser Gly His Pro Cys Met Ser Val Ser Ser Leu Thr
440 445 450
Leu Thr Gly Gly Pro Asp Gly Ser Pro His Pro Asp Pro Ser Ala
455 460 465
Gly Ala Lys Pro Cys Gly Ser Ser Ser Ala Gly Lys Ile Pro Cys
470 475 480
Arg Ser Ile Arg Ile Ser
485